



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

UNIO ellipsis, Lea. K. T.
ellipsis, Lea.
 Var. *arbiculatus*, Hill. B.
gibbosus, Bar. N.
gracilis, Bar. B., N., W., F.
laevissimus, Lea. W., B., K.T., K.M. Soldier creek, Shawnee county.
ligamentinus, Lam. N., F.
luteolus, Lam. D., W.
metaneurus, Raf. N., F., V.
multiplicatus, Lea. N.
parvus, Bar. D. Pipe creek, Ottawa county.
phaseolus, Hild. F., N.
Popenoi, Call. F.
pustulosus, Lea. N., F., B.
rectus, Lam. F., B., N.
rubiginosus, Lea. N., F.
securis, Lea. N.
solidus, Lea. N., V.
subrostratus, Say. D., W.
Topekaënsis, Lea. Dry Creek, Ottawa county.
tuberculatus, Bar. N., V. F.
undulatus, Bar. F., W., N., D., V.
ventricosus, Bar. F., N., B.

MARGARITANA *complanata*, Lea. W., N., D., F., V.

rugosa, Lea. N.

ANODONTA *Arkansensis*, Lea. W., F., V.

Danielsii, Lea. W.

grandis, Say. W., B., D.

MANHATTAN, KANSAS, Nov. 23, 1884.

A PARTIAL LIST OF THE KANSAS PARASIFIC FUNGI, TOGETHER
 WITH THEIR HOST-PLANTS.

BY W. A. KELLERMAN, PH. D., PROFESSOR IN THE KANSAS STATE AGRICULTURAL
 COLLEGE.

The fungi named in the following list were collected by myself during the present (1884), and the latter part of the previous season (1883), at which time I first came to the State. Of the new species, (described by J. B. Ellis and myself,) *Septoria xanthifolia*, E. & K., *S. Cacaliae*, E. & K., *S. gaurina*, E. & K., *S. Helianthi*, E. & K., and *Cercospora Vernoniae*, E. & K., were published in the American Naturalist, Nov., 1883; *Æcidium Æsculi*, E. & K., *Æ. verbenicola*, E. & K., *Æ. Ceanothi*, E. & K., *Phyllosticta Cornuti*, E. & K., *P. verbascicola*, E. & K., *Septoria Cephalanthi*, E. & K., *S. Stenosiphonis*, E. & K., *Cercospora isanthi*, E. & K., *C. tuberosa*, E. & K., *C. oculata*, E. & K., and *C. Teucrii*, E. & K., were published in the Bulletin of the Torrey Botanical Club, Oct., 1884; into the hands of the editor of the latter periodical has been placed for publication the manuscript, containing descriptions of the following: *Cercosparella Apocyni*, E. & K., *Cercospora Cephalanthi*, E. & K., *C. chionea*, E. & K., *C. Desmodii*, E. & K., *C. Pentstemonis*, E. & K., *C. Gymnocladi*, E. & K., *C. velutina*, E. & K., *Sphærella cercidicola*, E. & K., *S. Lactuceæ*, E. & K., and *S. decidua*, E. & K. Descriptions of the remaining new species, namely: *Cercospora condensata*, E. & K., *C. condensata*, var. *Des-*

manthus, E. & K., C. Fraxini, E. & K., C. Avicennæ, E. & K., C. Diantheræ, E. & K., C. glandulosa, E. & K., Ramularia Euonymi, E. & K., Gleosporium fusarioides, E. & K., Phyllosticta Amaranthi, E. & K., Peronospora Oxybophi, E. & K., and P. Lithospermi, E. & K., also Cercospora granuliformis, E. & Hol., and Gymnosporium harknessioides, E. & Hol., will be published in the Journal of Mycology, Jan., 1885.

Fourteen of the species (Nos. 3, 21, 24, 26, 54, 56, 66, 80, 94, 101, 103, 110, and 175) were collected in the Arkansas valley, in the southwestern portion of the State. All the others were obtained in the vicinity of Manhattan, in Riley county.

The arrangement of the genera in the different groups is substantially that in Cooke's Hand-book. For convenience of reference I arrange the species alphabetically under each genus.

It is with great pleasure that I take this opportunity to express my obligation to Mr. J. B. Ellis, who kindly assisted me in the determination of the species.

I.—LIST OF FUNGI.

USTILAGINEÆ.

1. Ustilago segetum, (Bull.) (Uredo Carbo, DC.) On wheat and oats.
2. Ustilago Zeæ-Mays, (DC.) U. Maydis, Lév.) On Zea Mays, L.
3. Entyloma Compositarum, Farlow. (?) On Gaillardia pulchella, Foug.
4. Entyloma Menispermi, Farlow & Trelease. On Menispernum Canadense, L.
5. Entyloma Physalides, (K. & C.) Winter (E. Besseyi, Farlow.) On Physalis sp.
6. Doassansia Alismatis, (Fr.) Cornu. On Sagittaria variabilis, Engl.

UREDINEÆ.

7. Uromyces Asclepiadis, Cke. (U. Howei, Pk.) On Asclepias Cornuti, Dec.
8. Uromyces Caladii, (Schw.) U. Arisæmae, Cke. (Uredo Caladii, Schw.) On Arisæma Dracontium, Schott.
9. Uromyces Euphorbiæ, C. & P. On Euphorbia dentata, Mx., E. heterophylla, L. E. maculata, L., E. marginata, Ph., E. petaloidea, Engl.
10. Uromyces Hedysari-paniculata, Schw., (U. Desmodii, Thüm., U. Desmodii, Cke.) On Desmodium sp.
11. Uromyces Lespedezæ, (Schw.) (U. macrosporus, B. & C.) On Lespedeza capitata, Mx.
12. Uromyces Phaseoli, (Pres.), (U. appendiculatus, Lev.) On Phaseolus diversifolius, Pers., P. pauciflorus, Benth.
13. Uromyces Zygadeni, Pk. On Zygadenus Nuttallii, Nutt.
14. Trichobasis Crotonis, Cke. On Croton monanthogynus, Mx.
15. Puccinia Amorphæ, Curtis. On Amorpha canescens, Nutt.
16. Puccinia amphibii, Fuckl. On Polygonum amphibium, L.
17. Puccinia Artemisiarum, Duby. On Artemisia Ludoviciana, Nutt.
18. Puccinia Convolvuli, Cast. On Calystegia sepium, L.
19. Puccinia flosculosorum, (A. & S.,) (P. Compositarum, Schl.) On Vernonia Baldwiniæ.
20. Puccinia graminis, Pers. On various species of Gramineæ.
21. Puccinia Grindeliae, Peck. On Grindelia squarrosa, Dun., var. grandiflora, Gr.
22. Puccinia Helianthi, Schw. On several species of Helianthus.
24. Puccinia Lithospermi, E. & K. On Lithospermum sp. (?)
25. Puccinia Maydis, Carrad., (P. Sorghi, Schw.) On Zea Mays.
26. Puccinia Malvacearum, Mont. On Malvastrum coccineum, Gray.
27. Puccinia Menthae, Pers. On Mentha Canadensis, L., Monarda fistulosa, L.
28. Puccinia nigrescens, Peck. On Salvia lanceolata, Willd.
29. Puccinia Pruni-spinosa, (P.,) (P. Prunorum, Lk.) On Prunus Americana, Marshall.

30. *Puccinia Saniculae*, Grev. On *Sanicula Canadensis*, L.
 31. *Puccinia Silphii*, Schw. On *Silphium integrifolium*, Mx.
 32. *Puccinia Smilacis*, Schw. On *Smilax hispida*, Muhl.
 33. *Puccinia Violæ* (Schum.) On *Viola cucullata*, Ait., *V. delphinifolia*, Nutt.
 34. *Puccinia Xanthii*, Schw. On *Xanthium strumarium*, L.
 35. *Phragmidium subcorticium* (Schrank.), (*P. mucronatum*, Lk.) On *Rosa lucida*, Ehrh.
 36. *Gymnosporangium macropus*, Lk. On *Juniperus Virginiana*, L.
 37. *Melampsora populina* (Jacq.) On *Populus monilifera*, Ait.
 38. *Melampsora Salicis-caprae* (Pers.), *M. salicina*, Lév. On *Salix longifolia*, Muhl., *S. nigra*, Marsh.
 39. *Coleosporium Sonchi-arvensis* (Pers.), (*C. Compositarum*, Lév.) On *Vernonia Baldwini*, Torr.
 40. *Caeoma nitens*, Schw., (*C. luminatum*, Schw.) On *Rubus villosus*, Ait.
 41. *Æcidium Æsculi*, E. & K. On *Æsculus glabra*, Willd.
 42. *Æcidium asteratum*, Schw. On *Aster* sp.
 43. *Æcidium Ceanothi*, E. & K. On *Ceanothus ovalis*, Bigelow.
 44. *Æcidium Compositarum*, Mort. On *Erigeron annuum*, Pers.
 45. *Æcidium Dicentræ*, Trelease (?) On *Corydalis aurea*, Willd., var. *occidentalis*, Engl.
 46. *Æcidium Grossulariæ*, DC. On *Ribes rotundifolium*, Mx.
 47. *Æcidium impatientatum*, Schw. On *Impatiens*.
 48. *Æcidium Jamesianum*, Pk. On *Acerates viridiflora*, Ell., *Aselepias tuberosa*, L.
 49. *Æcidium porosum*, Pk. On *Vicia Americana*, Muhl. var. *linearis*.
 50. *Æcidium Smilacis*, Schw. On *Smilax hispida*, Muhl.
 51. *Æcidium verbenicola*, E. & K. On *Verbena bracteosa*, Mx., *V. hastata*, L., *V. stricta*, Vent.
 52. *Æcidium Xanthoxyli*, Pk. On *Xanthoxylum Americanum*, Mill.

ENTOMOPHTHOREÆ.

53. *Entomophthora Muscæ*, (Cohn), (*Empusa Muscæ*, Cohn.) On house flies.

SPHAEROPSIDÆ.

54. *Conothyrium herbarum*, C. & E. On *Yucca angustifolia*, Ph.
 55. *Phoma ustulatum*, B. & C. (?) On *Vitis cordifolia*, Mx.
 56. *Darluca filum*, Cart. On *Puccinia* sp.
 57. *Vermicularia albomaculata*, Schn. (?) On *Asimina triloba*, Dun., *Gymnocladus Canadensis*, Lam.
 58. *Vermicularia dematium*, Fr. On *Ambrosia trifida*, L., (old stems.)
 59. *Discosia maculicola*, Ger. On apple leaves.
 60. *Discosia rugulosa*, B. & C. On *Carya* sp.
 61. *Septoria Cacaliae*, E. & K. On *Cacalia atriplicifolia*, L., *C. tuberosa*, Nutt.
 62. *Septoria Campanulæ*, Math. (?) On *Campanula Americana*, L.
 63. *Septoria Cephalanthi*, E. & K. On *Cephalanthus occidentalis*, L.
 64. *Septoria gaurina*, E. & K. On *Gaura parviflora*, Dougl.
 65. *Septoria Helianthi*, E. & K. On *Helianthus lenticularis*, Dougl.
 66. *Septoria Inulæ*, Sacc. & Spiegz. On *Helianthus mollis*, Lam.
 67. *Septoria Kellermaniana*, Thümen, n. s. (sporis bacillaribus, rectis, tenuissimus, simplicibus, vel vix visible septatis, 60–80x1.5mm). On *Vitis cordifolia*, Mx.
 68. *Septoria psilotega*, E. & M. On *Galium* sp.
 69. *Septoria Oenotheræ*, West. On *Oenothera biennis*, L., (*O. serrulata*, Natt.
 70. *Septoria Pruni*, Ell. On *Prunus Americana*, Marshall.
 71. *Septoria Rhoidis*, B. & E. On *Rhus glabra*, L.

72. Septoria Ribis, Desm. On *Ribes rotundifolium*, Mx.
 73. Septoria Rubi, (Duby.) On *Rubus villosus*, Ait.
 74. Septoria Sii, Desm. On *Cicuta maculata*, L.
 75. Septoria Silenes, E. & M. On *Silene noctiflora*, L.
 76. Septoria Stenosiphonis, E. & K. On *Stenosiphon virgatus*, Spach.
 77. Septoria Speculariae, B. & C. On *Specularia perfoliata*, A. DC.
 78. Septoria Verbenae, Rob. & Desm. On various species of *Verbenae*.
 79. Septoria xanthiifoliae, E. & K. On *Iva ciliata*, Willd., *I. xanthiifolia*, Nutt.
 80. Phyllosticta Amaranthi, E. & K. On *Amarantus retroflexus*, L.
 81. Phyllosticta Ampelopsisidis, E. & M. On *Ampelopsis quinquefolia*, Mx.
 82. Phyllosticta cornicola, Desm. On *Cornus paniculata*, L'Her.
 83. Phyllosticta Cornuti, E. & K. On *Asclepias Cornuti*, Dec.
 84. Phyllosticta cruenta, Fr. On *Polygonatum giganteum*, Dietrich.
 85. Phyllosticta Fraxini, E. & M. On *Fraxinus viridis*, Mx.
 86. Phyllosticta Labrusce, Thüm. On *Vitis cordifolia*, Mx.
 87. Phyllosticta phaseolina, Sacc. On *Phaseolus diversifolius*, Pers.
 88. Phyllosticta platanicola, E. & K. On *Platanus occidentalis*, L.
 89. Phyllosticta serotina, Cke. On *Prunus serotina*, Ehrh.
 90. Phyllosticta smilacina, E. & M. On *Smilax hispida*, Muhl.
 91. Phyllosticta ulmicola, Sacc. On *Ulmus fulva*, Mx.
 92. Phyllosticta verbascicola, E. & K. On *Verbascum Thapsus*, L.
 93. Chætomella perforata, E. & E. On *Cuicus altissima*.

MELANCONÆ.

94. Glœosporium fusarioides, E. & K. On *Asclepias Cornuti*, Dec.

TORULACEÆ.

95. Gymnosporium (?) harknessioides, Ell. & Holway. On *Rosa lucida*, Ehrh.

STILBACEÆ.

96. Epicoccum sphærospermum, Berk., (E. neglectum, Desm.) On *Zea Mays*, L.

DEMATIEÆ.

97. Helminthosporium gracile, Wallr. On *Iris* sp. cult.
 98. Cercosporella Apocyni, E. & K. On *Apocynum*.
 99. Cercosporella Fraxini, E. & K. On *Fraxinus viridis*, Mx.
 100. Cercospora Acalyphæ. Pk. On *Acalypha Virginica*, L.
 101. Cercospora altheina, Sacc. (?) On *Callirhoe involucrata*, Gray (?)
 103. Cercospora Asclepiadis, Ellis. On *Asclepias Jamesii*, Torr.
 105. Cercospora Cephalanthi, E. & K. On *Cephalanthus occidentalis*, L.
 106. Cercospora cercidicola, Ellis. On *Cercis Canadensis*, L.
 107. Cercospora Chenopodiæ, Fres. On *Chenopodium hybridum*, L.
 108. Cercospora chionæ, E. & K. On *Cercis Canadensis*, L.
 109. Cercospora condensata, E. & K. On *Gleditschia triacanthos*, L.
 110. Cercospora condensata, var. Desmanthi, E. & K. On *Desmanthus brachylobus*, Benth.
 111. Cercospora consociata, Winter (?). On *Ruellia ciliosa*, Ph.
 112. Cercospora Desmodii, E. & K. On *Desmodium acuminatum*, Dce.
 113. Cercospora effusa, (B. & C.) (Cladosporium effusa, B. & C.) On *Lobelia cardinalis*, L.
 114. Cercospora flagellaris, E. & M. On *Phytolacca decandra*, L.
 115. Cercospora Diantheræ, E. & K. On *Dianthera Americana*, L. (Topeka, Popenoe.)
 115a. Cercospora glandulosa, E. & K. On *Ailanthus glandulosa*, Desf.
 116. Cercospora granuliformis, Ell. & Holway. On *Viola cucullata*, Ait.
 117. Cercospora Gymnocladii, E. & K. On *Gymnocladus Canadensis*, Lam.

118. Cercospora Isanthi, E. & K. On *Isanthus ceruleus*, Mx.
 119. Cercospora moricola, Cke. On *Morus rubra*, L.
 120. Cercospora murina, E. & K. On *Viola cucullata*, Ait.
 121. Cercospora oculata, E. & K. On *Vernonia Baldwinii*, Torr.
 122. Cercospora Pentstemonis, E. & K. On *Pentstemon cobaea*, Nutt., *P. grandiflorus*, Fraser.
 123. Cercospora Physalidis, Ellis. On *Physalis lanceolata*, Lam., var. *lævigata*, Gr.
 124. Cercospora Plantaginis, Sacc. On *Plantago major*, L.
 125. Cercospora pustula, Cke., (*C. ampelopsisid*, Pk.) On *Ampelopsis quinquefolia*, Mx.
 126. Cercospora racemosa, E. & K. On *Teucrium Canadense*, L.
 127. Cercospora rhuina, C. & E. On *Rhus glabra*, L.
 128. Cercospora Teuerri, E. & K. On *Teucrium Canadense*, L.
 129. Cercospora tuberosa, E. & K., (*C. glaucescens*, Winter.) On *Aplos tuberosa*, Mœnch.
 130. Cercospora velutina, E. & K. On *Baptisia Australis*, R. Br.
 131. Cercospora Vernonieæ, E. & K. On *Vernonia Baldwinii*, Torr.
 132. Cercospora Violeæ, Sacc. On *Viola sp. cult.*, *V. cucullata*, Ait.
 133. Ramularia Armoraciae, Fuckl. On *Nasturtium Armoracia*, Fr.
 134. Ramularia Celastri, E. & M., (*R. Celastri*, Peck.) On *Celastrus scandens*, L.
 135. Ramularia Euonymi, E. & K. On *Euonymus atropurpureus*, Jacq.
 136. Ramularia Grindeliae, E. & K. On *Grindelia squarrosa*, Dun., var. *grandiflora*, Gr.
 137. Ramularia obovata, Fuckl., (*Peronospora obliqua*, Cke.) On *Rumex crispus*, L.
 138. Ramularia rufo-macularis, Pk. On *Polygonum amphibium*, L.
 139. Ramularia Tulasnei, Sacc., (*R. Fragariae* Peck.) On *Fragaria sp. cult.*
 140. Ramularia Virga-aureæ, Thüm. On *Solidago sp.*
 141. Macrosporium Maydis, C. & E. On *Zea Mays*, L.
 142. Macrosporium Solani, E. & M. On *Datura stramonium*, L.
 143. Fusicladium fasciculatum, C. & E. On *Euphorbia petaloidea*, Engelm., *E. hypericifolia*, L.
 144. Gyroceras Celtis, Mont. On *Celtis occidentalis*, L.
 145. Stigmella visianica, Sacc. (?) On *Platanus occidentalis*, L.

MUCEDINEÆ.

146. Cystopus Bliti, (Biv.,) Lév., (*C. Amaranti*, S.) On *Amarantus retroflexus*, L.
 147. Cystopus candidus, (P.,) Lév. On *Nasturtium Armoracia*, Fr.
 148. Cystopus cubicus, (Strauss,) Liv. On *Ipomœa leptophylla*, Torr.
 149. Cystopus Portulacæ, (D. C.) On *Portulaca oleracea*, L.
 150. Microstroma leucosporum, Niessell. On *Juglans nigra*, L.
 151. Peronospora australis, Spegaz., (*P. sicyicola*, Trelease.) On *Sicyos angulatus*, L.
 152. Peronospora Corydalidis, De Bary. On *Corydalis aurea*, Willd., var. *occidentalis*, Englm.
 153. Peronospora Halstedii, Farlow. On *Helianthus doronicoides*, Lam., *Ambrosia trifida*, L., *Silphium integrifolium*, Mx., *Vernonia Baldwinii*, Torr.
 154. Peronospora Oxybaphi, E. & K. On *Oxybaphus Nyctagineus*, Sweet.
 155. Peronospora parasitica, (Pers.) Tul. On *Draba Caroliniana*, Walt.
 156. Peronospora sordida, Berk. On *Scrophularia nodosa*, L.
 157. Peronospora viticola, B. & C. On *Vitis sp. cult.*, *V. cordifolia*, Mx.
 158. Oidium fructigenum, Pers. On decaying plums.

SPHÆRIACEÆ.

160. Fusidium Ravenelianum, Thüm., (*Ramularia Desmodii*, Ck. On *Desmodium sp.*

ASCOMYCETES.

161. *Exoascus deformans*, (Berk.), (*Ascomyces deformans*, Berk.) On Peach leaves.
 162. *Exoascus Pruni*, Fuckl. On *Prunus Americana*, Marshall.
 163. *Uncinula macrospora*, Pk. On *Ulmus fulva*, Mx.
 164. *Uncinula spiralis*, B. & C. On *Ampelopsis quinquefolia*, Mx.
 165. *Microsphaera Euphorbiæ*, B. & C. (?) On *Euphorbia marginata*, Ph.
 166. *Microsphaera Friesii*, Lev. On *Syringa vulgaris*, L.
 167. *Podosphaera tridactyla*, (Wallr.) (P. *Kunzei*, Liv.) On cultivated cherry.
 168. *Phyllactinia suffulta*, (Reb.) (P. *guttata*, Reb.) On *Celastrus scandens*, L.
 169. *Erysiphe communis*, Schl. On *Amphicarpaea monoica*, Nutt.
 170. *Erysiphe lamprocarpa*, Lev. On *Verbena* and many other plants.
 171. *Claviceps purpurea*, (Fr.) Tul. On rye.
 172. *Phyllachora Lespedezae*, (Schr.) (Dothidea *Lespedezae*, Schr.) On *Lespedeza capitata*, Mx.
 173. *Ophiobolus acuminata*, son., (*Sphaeria carduorum*, Wallr.) On *Cnicus altissimus*, Willd.
 174. *Ophiobolus porphyrogonas*, (Tode) Sacc., (*Sphaeria rubella*, Pers.) On old stems of *Scutellaria*.
 175. *Physalaspora Arthuriana*, Sacc. On *Iva xanthifolia*, Nutt.
 176. *Plowrightia*, (Schu.,) (*Sphaeria morbosa* Schu.) On *Prunus Americana*, Marshall.
 177. *Sphaeria ulmea*, Schu. On *Ulmus Americana*, L.
 178. *Sphaerella cercidicola*, E. & K. On *Cercis Canadensis*.
 179. *Sphaerella decidua*, E. & K. On *Scrophularia nodosa*, L. *Vernonia Baldwinii*, Torr.
 180. *Sphaerella Lactucæ*, E. & K. On *Lactuca Canadensis*, L.
 181. *Sphaerella maculæformis*, Pers. On *Celtis occidentalis*, L., *Platanus occidentalis*, L.
 159. *Oidium leucoconinum*, Desm. On *Rosa lucida*.

II.—LIST OF HOST-PLANTS.

(The reference after each name is to the serial number in the List of Fungi.)

Abutilon Avicennæ, 104.	<i>Cacalia atriplicifolia</i> , 61.
<i>Acalypha Virginica</i> , 100.	<i>Cacalia tuberosa</i> , 61.
<i>Acerates viridisflora</i> , 48.	<i>Callirhoe involucrata</i> , (?) 102.
<i>Æsculus glabra</i> , 41.	<i>Calystegia sepium</i> , 18.
<i>Ailanthus glandulosa</i> , 115.	<i>Campanula Americana</i> , 62.
<i>Amarantus retroflexus</i> , 80, 146.	<i>Carya</i> , 60.
<i>Ambrosia trifida</i> , 58, 153.	<i>Ceanothus ovalis</i> , 43.
<i>Amorpha canescens</i> , 15.	<i>Celastrus scandens</i> , 134, 168.
<i>Ampelopsis quinquefolia</i> , 81, 125, 164.	<i>Celtis occidentalis</i> , 144, 181.
<i>Amphicarpæa monoica</i> , 169.	<i>Cephalanthus occidentalis</i> , 63, 105.
<i>Apio</i> <i>tuberosa</i> , 129.	<i>Cercis Canadensis</i> , 106, 108, 178.
<i>Apocynum</i> , 98.	<i>Chenopodium hybridum</i> , 107.
Apple leaves, 59.	<i>Cherry</i> , 167.
<i>Arisæma Dracontium</i> , 8.	<i>Cicuta maculata</i> , 74.
<i>Artemisia Ludoviciana</i> , 17.	<i>Cnicus altissimus</i> , 93, 173.
<i>Asclepias Cornuti</i> , 7, 83, 94.	<i>Cornus paniculata</i> , 82.
<i>Asclepias Jamesii</i> , 103.	<i>Corydalis aurea</i> , var. 45, 152.
<i>Asclepias tuberosa</i> , 48.	<i>Croton monanthogynus</i> , 14.
<i>Asimina triloba</i> , 57.	<i>Datura stramonium</i> , 142.
<i>Aster</i> , 42.	<i>Desmanthus brachylobus</i> , 110.
<i>Baptisia Australis</i> , 130.	<i>Desmodium</i> , 10, 160.

Desmodium acuminatum, 112.
Dianthera Americana, 115.
Draba Caroliniana, 155.
Erigeron annum, 44.
Euonymus atropurpureus, 135.
Euphorbia dentata, 9.
Euphorbia heterophylla, 9.
Euphorbia hypericifolia, 143.
Euphorbia maculata, 9.
Euphorbia marginata, 165.
Euphorbia petaloidea, 9, 143.
Fragaria, 136.
Fraxinus viridis, 85, 99, 168.
Gaillardia pulchella, 3.
Galium, 68.
Gaura parviflora, 64.
Gleditschia triacanthos, 109.
Gramineæ, 20.
Grindelia squarrosa, 21, 136.
Gymnocladus Canadensis, 57, 117.
Helianthus, 22.
Helianthus doronicoides, 153.
Helianthus lenticularis, 65.
Helianthus mollis, 66.
House flies, 53.
Impatiens, 47.
Ipomoea leptophylla, 148.
Iris, 94.
Isanthus cærulea, 118.
Iva ciliata, 79.
Iva xanthiiifolia, 79, 175.
Juglans nigra, 150.
Juniperus Virginiana, 36.
Lactuca Canadensis, 180.
Lespedeza capitata, 11, 172.
Lithospermum sp., (?) 24.
Lobelia cardinalis, 113.
Malvastrum coccineum, 26.
Menispermum Canadense, 4.
Mentha Canadensis, 27.
Monarda fistulosa, 27.
Morus rubra, 119.
Nasturtium Armoracia, 133, 147.
Oats, 1.
Oenothera biennis, 69.
Oenothera serrulata, 69.
Oxybaphus Nyctagineus, 154.
Peach leaves, 161.
Pentstemon cobaea, 122.
Pentstemon grandiflorus, 122.
Phaseolus diversifolius, 12, 87.
Phaseolus pauciflorus, 12.
Physalis, 5.
Physalis lanceolata, 123.
Phytolacca decandra, 114.
Plantago major, 124.
Platanus occidentalis, 88, 145, 181.
Plums, 158.
Polygonatum giganteum, 84.
Polygonum amphibium, 16, 138.
Populus monilifera, 37.
Portulaca oleracea, 149.
Prunus Americana, 29, 70, 160, 176.
Prunus serotina, 89.
Puccinia, 56.
Rhus glabra, 71, 127.
Ribes rotundifolium, 46, 72.
Rosa lucida, 35, 95, 159.
Rubus villosus, 40, 73.
Ruellia ciliosa, 111.
Rumex crispus, 137.
Rye, 171.
Sagittaria variabilis, 6.
Salix longifolia, 38.
Salix nigra, 38.
Salvia lanceolata, 28.
Sanicula Canadensis, 30.
Scrophularia nodosa, 156, 179.
Scutellaria, 174.
Sicyos angulatus, 151.
Silene noctiflora, 75.
Silphium integrifolium, 31, 153.
Smilax hispida, 32, 50, 90.
Solidago, 140.
Specularia perfoliata, 77.
Stenosiphon virgatus, 76.
Syringa vulgaris, 116.
Teucrium Canadense, 126, 128.
Ulmus Americana, 177.
Ulmus fulva, 91, 163.
Verbascum Thapsus, 92.
Verbena, 78, 170.
Verbena bracteosa, 51.
Verbena hastata, 51.
Verbena stricta, 51.
Vernonia Baldwinii, 19, 39, 121, 131, 153, 179
Vicia Americana, 49.
Viola, 132.
Viola cucullata, 33, 116, 120, 132.
Viola delphinifolia, 33.
Vitis cordifolia, 55, 67, 86, 157.
Vitis sp. cult., 157.

Wheat, 1.	<i>Yucca angustifolia</i> , 54.
<i>Xanthium strumarium</i> , 34.	<i>Zea Mays</i> , 2, 23, 96, 141.
<i>Xanthoxylum Americanum</i> , 52.	<i>Zygadenus Nuttallii</i> , 13.

III.—INDEX TO THE GENERA.

(The numbers refer in each case to the first species of that genus in the List of Fungi.)

<i>Æcidium</i> , 41.	<i>Fuscieladium</i> , 143.	<i>Phyllosticta</i> , 80.
<i>Cæoma</i> , 40.	<i>Gleosporium</i> , 94.	<i>Physalaspora</i> , 175.
<i>Cercospora</i> , 100.	<i>Gymnosporangium</i> , 36.	<i>Plowrightia</i> , 176.
<i>Cercosporella</i> , 98.	<i>Gymnosporium</i> , 95.	<i>Podosphæra</i> , 167.
<i>Chætomella</i> , 93.	<i>Gyroceras</i> , 144.	<i>Puccinia</i> , 15.
<i>Claviceps</i> , 171.	<i>Helminthosporium</i> , 97.	<i>Ramularia</i> , 133.
<i>Coleosporium</i> , 39.	<i>Macrosporium</i> , 141.	<i>Septoria</i> , 61.
<i>Coniothyrium</i> , 54.	<i>Melampsora</i> , 37.	<i>Sphærella</i> , 178.
<i>Cystopus</i> , 146.	<i>Microsphæra</i> , 165.	<i>Sphæria</i> , 177.
<i>Darluca</i> , 56.	<i>Microstroma</i> , 150.	<i>Stigmella</i> , 145.
<i>Discosia</i> , 56.	<i>Ophiobolus</i> , 173.	<i>Trichobasis</i> , 14.
<i>Doassansia</i> , 6.	<i>Peronospora</i> , 151.	<i>Uromyces</i> , 7.
<i>Entomophthora</i> , 53.	<i>Phoma</i> , 55.	<i>Ustilago</i> , 1.
<i>Entyloma</i> , 3.	<i>Phragmidium</i> , 35.	<i>Vermicularia</i> , 57.
<i>Erysiphe</i> , 169.	<i>Phyllachora</i> , 172.	
<i>Epicoccum</i> , 96.	<i>Phyllactinia</i> , 168.	

The evening was occupied by Rev. J. D. Parker, U. S. A., in a popular lecture upon "Circular Storms."